

Title (en)

Information display apparatus for ophthalmic slit lamps.

Title (de)

Informationsauslagevorrichtung für ophthalmologische Spaltauflichtbeleuchtungsvorrichtung.

Title (fr)

Dispositif de représentation visuelle d'information pour lampe à fente ophtalmique.

Publication

EP 0140639 A1 19850508 (EN)

Application

EP 84307066 A 19841016

Priority

US 54650183 A 19831028

Abstract (en)

[origin: US4597649A] A slit lamp with surgical laser capability includes an x-y table. An optical micrometer, readily retrofittable onto existing slit lamps, is mounted on the x-y table to measure table displacement in the y direction. The measuring electronics are resettable to allow the operator to select any y position from which the displacement is to be algebraically measured. Compact display optics are retrofittably mounted on the ocular assembly of the slit lamp between the collimator and the eyepiece to insert a reduced image of an LED indicator displaying the measured data into the periphery of the ophthalmic image seen through the eyepiece. An LCD indicator displaying the same data is mounted on the x-y table to allow positioning of the table without looking into the eyepiece. The LED indicator lends itself to display of laser operational data in addition to positional data.

IPC 1-7

A61F 9/00

IPC 8 full level

A61B 3/12 (2006.01); **A61B 3/00** (2006.01); **A61F 9/008** (2006.01); **A61B 19/00** (2006.01)

CPC (source: EP US)

A61B 3/0075 (2013.01 - EP US); **A61F 9/008** (2013.01 - EP US); **A61B 2090/502** (2016.02 - EP US)

Citation (search report)

- WO 8401110 A1 19840329 - AMERICAN HOSPITAL SUPPLY CORP [US]
- US 3091167 A 19630528 - ESTES CAMERON B
- US 3703176 A 19721121 - VASSILIADIS ARTHUR, et al
- EP 0030210 A1 19810610 - LASAG AG [CH]

Cited by

WO8705204A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0140639 A1 19850508; IL 73215 A0 19850131; JP S60111627 A 19850618; US 4597649 A 19860701

DOCDB simple family (application)

EP 84307066 A 19841016; IL 7321584 A 19841010; JP 22564084 A 19841026; US 54650183 A 19831028